



**UNITED STATES DEPARTMENT OF COMMERCE**  
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.
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08/909,001 08/08/97 VERMEER

F CASE-2

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LM02/1005

EXAMINER

TRAN, P

ART UNIT

PAPER NUMBER

2746

DATE MAILED: 10/05/99

**Please find below and/or attached an Office communication concerning this application or proceeding.**

**Commissioner of Patents and Trademarks**

## Office Action Summary

Application No.

08/909,001

Applicant(s)

Vermeer

Examiner

Pablo Tran

Group Art Unit

2746

☒ Responsive to communication(s) filed on Jul 2, 1999

☐ This action is **FINAL**.

☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

A shortened statutory period for response to this action is set to expire 3 month(s), or thirty days, whichever is longer, from the mailing date of this communication. Failure to respond within the period for response will cause the application to become abandoned. (35 U.S.C. § 133). Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

### Disposition of Claims

☒ Claim(s) 1-17 is/are pending in the application.

Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

☐ Claim(s) \_\_\_\_\_ is/are allowed.

☒ Claim(s) 1-17 is/are rejected.

☐ Claim(s) \_\_\_\_\_ is/are objected to.

☐ Claims \_\_\_\_\_ are subject to restriction or election requirement.

### Application Papers

☐ See the attached Notice of Draftsperson's Patent Drawing Review, PTO-948.

☐ The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.

☐ The proposed drawing correction, filed on \_\_\_\_\_ is ☐ approved ☐ disapproved.

☐ The specification is objected to by the Examiner.

☐ The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. § 119

☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d).

☐ All ☐ Some\* ☐ None of the CERTIFIED copies of the priority documents have been  
☐ received.

☐ received in Application No. (Series Code/Serial Number) \_\_\_\_\_.

☐ received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\*Certified copies not received: \_\_\_\_\_

☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

### Attachment(s)

☒ Notice of References Cited, PTO-892

☐ Information Disclosure Statement(s), PTO-1449, Paper No(s). \_\_\_\_\_

☐ Interview Summary, PTO-413

☐ Notice of Draftsperson's Patent Drawing Review, PTO-948

☐ Notice of Informal Patent Application, PTO-152

--- SEE OFFICE ACTION ON THE FOLLOWING PAGES ---

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## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1 -17 are rejected under 35 U.S.C. 103(a) as being unpatentable over *Stein* (U.S. patent 5,628,055) in view of *Somei* (U.S. Patent 5,649,311).

As per claim 1, 6 and 11, *Stein* disclose a wireless terminal comprising:

- an antenna (fig. 1, fig. 13, fig. 10/no. 138, or fig. 11/no. 270);
- a radio (fig. 10/no. 131, fig. 13/no. 31);
- a first visual indicator that indicates to a user of said wireless terminal when a radio is transmitting/receiving (fig. 14, col. 10/ln 4-25);

*Stein* disclose Applicant's invention except for teaching a signal lead for carrying an RF signal from said radio to said antenna and from said antenna to said radio and for carrying a first baseband signal from said radio to said first visual indicator for activating said first visual indicator. It would have been useful to provide a signal lead to carry high frequency signals and a baseband frequency signals to minimize cost. *Somei* teach such use of a signal lead to carry high

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frequency signals and a baseband frequency signals (fig. 1-2, col.3/ln 54-col. 4/ln 37). In order to minimize cost, it would have obvious to one of ordinary skill in the art at the time of Applicant's invention to provided a superimpose base band signal on a high frequency signals as taught by *Somei* in conjunction with the modular radio communications system as taught by Stein.

As per claim 2 and 7 , *Stein* further disclose the wireless terminal comprising said radio (fig. 10/no. 131);

As per claim 3 and 8, *Stein* further disclose wherein said radio is integral to a PC radio card (fig. 10/no. 131);

As per claim 4 and 9, *Stein* further disclose wherein said signal lead is connected to said radio by a detachable connector (fig. 10/ no. 204, 133, fig. 13/no. 33).

As per claim 5, 10, 12, 14-15, and 16-17, *Stein* further disclose a second visual indicator that indicates when said radio is receiving/transmitting and wherein said signal lead also carries a second baseband signal from said radio to said second visual indicator (fig. 14, col. 10/ln 4-25).

As per claim 13 , *Stein* further disclose 13. A radio card comprising:

- a radio (fig. 10/no. 131, fig. 13/no. 31);
- a detachable connector (fig. 10/ no. 204, 133, fig. 13/no. 33); and

*Stein* disclose Applicant's invention except for teaching a signal lead for carrying an RF signal from said radio to said detachable connector and from said detachable connector to said radio and for carrying a first baseband signal indicative of when said radio is operating from said radio to said detachable connector. It would have been useful to provide a signal lead to carry

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high frequency signals and a baseband frequency signals to minimize cost. *Somei* teach such use of a signal lead to carry high frequency signals and a baseband frequency signals (fig. 1-2, col.3/ln 54-col. 4/ln 37). In order to minimize cost, it would have obvious to one of ordinary skill in the art at the time of Applicant's invention to provided a superimpose base band signal on a high frequency signals as taught by *Somei* in conjunction with the modular radio communications system as taught by Stein.

### Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

*Kinney et al.* (5,708,833), *West et al.* (5,590,346), *Kovanen et al.* (5,448,765), *Robert Bosch GmbH* (EPO 0369 110 A2), and *Schuchman et al.* (5,726,893) disclose method and apparatus for wireless communications system utilizing radio/mem card.

4. Any inquiry concerning this communication or earlier communication from the examiner should be directed to Pablo Tran whose telephone number is (703)308-7941. The fax number for this Group is (703)305-9508.

Any inquiry of a general nature to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703)305-3900.

September 30, 1999

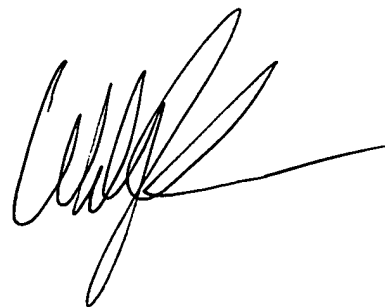
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P. Tran

Examiner, Art Unit 2746

A handwritten signature in black ink, appearing to be 'P. Tran', with a long horizontal stroke extending to the right.

SUPERVISORY PATENT EXAMINER  
GROUP 2700